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2. (Amended) The optical device of claim 1, wherein said sensor array comprises a photosensitive element mounted on a flexible structure.

3. (Amended) The optical device of claim 2, wherein said flexible structure conforms to said shape of said surface of said support element.

4. (Amended) The optical device of claim 2, wherein said flexible structure is bonded to said surface of said support element.

5. (Amended) The optical device of claim 2, wherein said flexible structure has a thickness in a range from 1 micrometer to 0.1 millimeters.

14. (Amended) The optical device of claim 9, further comprising a support element wherein said at least a portion of said flexible sensor array is fixed to said support element and said support element forms said flexible sensor array to said shape of said focal surface.

15. (Amended) The optical device of claim 9, wherein said flexible sensor array comprises a photosensitive element mounted on a flexible structure.

16. (Amended) The optical device of claim 15, wherein said flexible structure has a thickness in a range from 1 micrometer to 0.1 millimeters.

Please add the following claim, newly numbered as claim 20.

20. (New) An optical device comprising:  
an imaging device for imaging an incident beam onto a focal surface;  
a support element having a surface conforming to and being located on said focal surface;  
and  
a sensor array affixed to said surface of said support element.